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A.D. 1874, 22<sup>nd</sup> APRIL. N<sup>o</sup> 1399.

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**Apparatus for Treating Rectal Diseases.**

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**LETTERS PATENT** to William Robert Lake, of the Firm of Haseltine, Lake, & Co., Patent Agents, Southampton Buildings, London, for the Invention of “**AN IMPROVED APPARATUS FOR THE TREATMENT OF RECTAL DISEASES.**”—A communication from abroad by William Duke Ludlow, of the City and State of New York, United States of America.

Sealed the 9th October 1874, and dated the 22nd April 1874.

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**PROVISIONAL SPECIFICATION** left by the said William Robert Lake at the Office of the Commissioners of Patents, with his Petition, on the 22nd April 1874.

I, WILLIAM ROBERT LAKE, of the Firm of Haseltine, Lake, & Co.,  
5 Patent Agents, Southampton Buildings, London, do hereby declare the nature of the said Invention for “**AN IMPROVED APPARATUS FOR THE TREATMENT OF RECTAL DISEASES,**” a communication, to be as follows :—

The said Invention relates to a simple apparatus for the treatment of piles and other rectal diseases by the application of a dry cold surface to  
10 the rectum and adjacent parts, the required coldness of the applied



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*Lake's Improved Apparatus for Treating Rectal Diseases.*

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surface being produced and maintained by the circulation of a cold fluid.

The said Invention is carried into practise as follows:—I construct a pointed taper tube which is closed at its extremity or point, and which is suitably formed for introduction into the rectum; its neck has a screw 5 thread whereby it is easily connected with any suitable syringe or other apparatus for forcing water or other fluid into the said tube; it also has a small aperture through which the fluid escapes. This taper tube is preferably made of metal which has superior conducting properties. The said tube is sufficiently small at its extremity to be readily 10 introduced into the rectum, and its base is enlarged so that when inserted it is brought directly into contact with the parts exterior to the anal aperture, which parts are frequently the seat of burning sensations and require the cooling and soothing application of the tube.

A small pipe or coupler may occupy the position of the said small 15 aperture for the attachment of an india-rubber tube which is useful in conveying the fluid from the taper tube in the case of bed-ridden patients; or the said taper tube may be open at its base for the more free discharge of the water where the same is supplied from a hydrant.

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**SPECIFICATION** in pursuance of the conditions of the Letters Patent, 20 filed by the said William Robert Lake in the Great Seal Patent Office on the 22nd October 1874.

**TO ALL TO WHOM THESE PRESENTS SHALL COME, I, WILLIAM ROBERT LAKE, of the Firm of Haseltine, Lake, & Co., Patent Agents, Southampton Buildings, London, send greeting.** 25

**WHEREAS** Her most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the Twenty-second day of April, in the year of our Lord One thousand eight hundred and seventy-four, in the thirty-seventh year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said William Robert Lake, Her special 30 licence that I, the said William Robert Lake, my executors, administrators, and assigns, or such others as I, the said William Robert Lake, my executors, administrators, and assigns, should at any time



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*Lake's Improved Apparatus for Treating Rectal Diseases.*

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agree with, and no others, from time to time and at all times thereafter during the term therein expressed, should and lawfully might make, use, exercise, and vend, within the United Kingdom of Great Britain and Ireland, the Channel Islands, and Isle of Man, an Invention for  
5 “AN IMPROVED APPARATUS FOR THE TREATMENT OF RECTAL DISEASES,” a communication to me from abroad by William Duke Ludlow, of the City and State of New York, United States of America, upon the condition (amongst others) that I, the said William Robert Lake, my executors or administrators, by an instrument in writing under my, or their, or  
10 one of their hands and seals, should particularly describe and ascertain the nature of the said Invention, and in what manner the same was to be performed, and cause the same to be filed in the Great Seal Patent Office within six calendar months next and immediately after the date of the said Letters Patent.

15 NOW KNOW YE, that I, the said William Robert Lake, do hereby declare the nature of the said Invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement, reference being had to the accompanying Drawing forming a part of this Specification :—

20 The said Invention relates to a simple apparatus for the treatment of piles and other rectal diseases by the application of a dry cold surface to the rectum and adjacent parts, the required coldness of the applied surface being produced and maintained by the circulation of a cold fluid.

25 The said Invention is carried into practise as shewn in the accompanying Drawing.

Figure 1 is a longitudinal section of the said improved apparatus ; Figure 2 is an end view of the same.

I construct a pointed taper tube A which is closed at its extremity *a*  
30 and which is suitably formed for introduction into the rectum ; the said apparatus has a screw thread and is otherwise so constructed at its neck B as to be easily connected with any suitable syringe or other apparatus for forcing water or other fluid into the said tube A ; D is an aperture through which the fluid escapes from the said tube A. This tube A is  
35 preferably made of a metal which has superior conducting properties. The said tube is sufficiently small at its extremity *a* to be readily introduced into the rectum, while its base *c* is enlarged so that when inserted it is



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brought directly into contact with the parts exterior to the anal aperture, which parts are frequently the seat of burning sensations and require cooling and soothing, and which are cooled and soothed by the application of the said tube.

A small pipe or coupler may occupy the position of the said small 5 aperture D for the attachment of an india-rubber tube for conveying the fluid from the taper tube A in the case of bed-ridden patients; or the said taper tube A when supplied with water from a hydrant or the like may be opened at its base for the more free discharge of the water.

Having thus fully described the said Invention, as communicated to 10 me by my foreign correspondent, and shewn how the same is to be carried into practise, I wish it understood that this Invention does not include or relate to devices somewhat similar in shape and made of metal, ebonite, or equivalent materials, for the reception of ice or ointment, or for the purpose of injecting fluids into the vagina or rectum, 15 or india-rubber bags for the application of ice or cold water; but the said Invention relates solely to and I claim, a metallic taper tube closed at its smaller end, enlarged at the other end, and provided with apertures for the ingress and egress of fluids, as herein described and for the purpose specified. 20

In witness whereof, I, the said William Robert Lake, have here-  
unto set my hand and seal, this Twenty-second day of October, in  
the year of our Lord One thousand eight hundred and seventy-  
four.

W<sup>M</sup>. ROB<sup>T</sup>. LAKE. (L.S.) 25

Witness,

JAS. EDWARDS,

8, Southampton Buildings,  
London.

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LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,  
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FIG. 1.

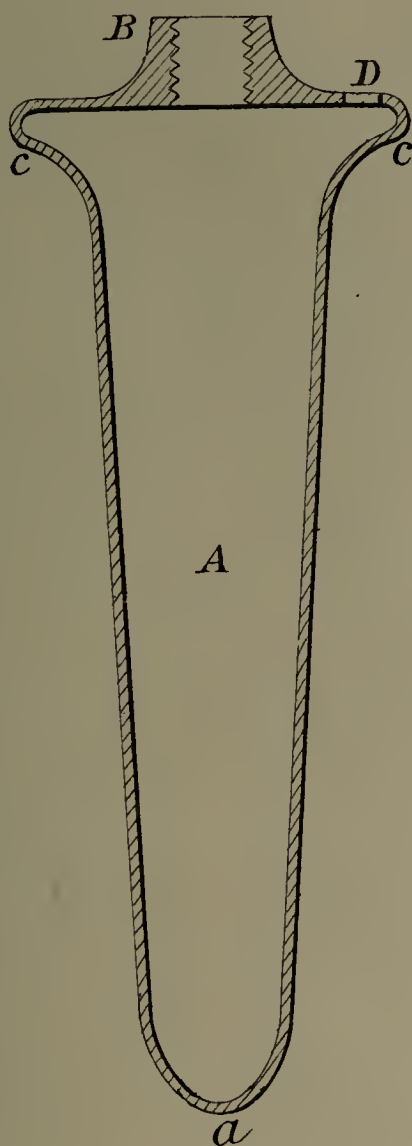
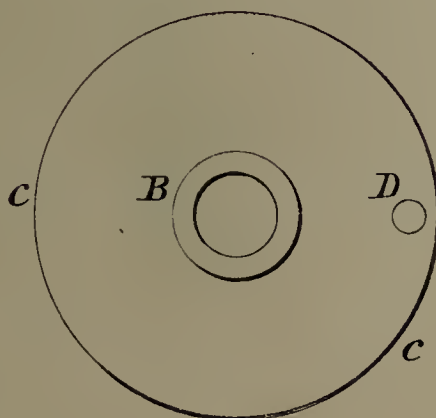


FIG. 2.



*The filed drawing is not colored.*

Drawn on Stone by Malby & Sons.

